Missouri Department of Natural Resources

Missouri 2003 Anemometer Loan Project - Preliminary results (Covers less than one year of data gathering)

Average Monthly wind speed (MPH) | = Lost data

Pink Shading = **Corrected** by omitting ice data | Value subject to change

Location & site #	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Notes:	Calculation of Average Speed, Measured Average 20 Meter ALP wind speed data - since site was installed
Odessa 103	11.1	12.2	13.3	12.7	13.0	14.1	13.1	12.9	10.2	9.1	9.4					11.92
Stewartsville 203		13.7	12.7	12.2	12.7	13.8	13	12.3	9.6	8.4	9.7				Missing data Aug 4 to Aug 25	11.81
Faucett 303		13.7	12.6	11.8	12.0	13.3	12.7	12.1	9.2	8.2	8.4					11.40
Marshall 403		12.4	11.7	11.2	11.8	13.3	12.4	11.6	8.9	7.6	7.8					10.87
Lancaster 503			13.2	12.2	12.5	14	12.8	11.3	9	7.7	8.6					11.26
Nevada 603		10.4	10.7	9.9	9.9	10.9	10.4	10.3	7.7	7.1	7.5					9.48
SW Springfield 703		12.3	13.5	11.3	12.0	13	11.7	11.8	8.9	8.7	9.0					11.22
NE Springfield 803		10.9	12.3	9.9	10.9	11.5	10	10.2	7.5	6.8	7.3					9.73
Chillicothe 903	9.1	9.3	9.9	9.8	9.8	11.4	10.7	9.9			7.8				Omit June 1 to Aug 18 data - malfunction	9.74
Skidmore 1003			14.5	12.9	14.2	15.4	14.5	14.9	11.0	9.5	10.0					12.99

July 23, 2004: Note across the board reduction in wind speed during June is consistent with seasonal wind patterns found in the Midwest. As wind energy is approximately proportional to the "cube of the wind speed" even a modest variation in speed has a substantial impact on the wind's energy. For more information see:

http://www.windpower.org/en/tour/wres/enrspeed.htm